# System Providing Methodology for Policy-Based Resource Allocation

# Abstract

A system providing methodology for policy-based resource allocation is described. In one embodiment, for example, a system for allocating computer resources amongst a plurality of applications based on a policy is described that comprises: a plurality of computers connected to one another through a network; a policy engine for specifying a policy for allocation of resources of the plurality of computers amongst a plurality of applications having access to the resources; a monitoring module at each computer for detecting demands for the resources and exchanging information regarding demands for the resources at the plurality of computers; and an enforcement module at each computer for allocating the resources amongst the plurality of applications based on the policy and information regarding demands for the resources.